

2023 INTERNAL EXAM: Science: Physics  
Year 10



Topics covered:

T1 – Key concepts of physics

T2 – Forces and motion

T3 Conservation of energy

T4 - Waves



*Copies of the workbooks (and some answers to the questions in them) can be found in your Google Classroom.*

*Further revision materials, including links to the material listed her can be found in the **year 10 Science Google Classroom** – this QR code will take you there (if you are logged into your ALF account).*

You will be tested on:

1. Core knowledge
2. Application of the core knowledge
3. The scientific method – how we plan, conduct and analyse our experiments

To support your revision

1. To deepen your knowledge use the following BBC bitesize pages. You can click on the links here or follow the links from *the year 10 Science Google Classroom*.

- Vector & scalar quantities
- Speed calculation
- Newtons second law,  $F=ma$
- Calculating acceleration
- Resultant forces
- Mass & weight
- Velocity-time graphs
- Momentum
- $F=ma$  core practical
- Energy stores
- Waste energy & efficiency
- Gravitational Potential Energy
- Insulation
- Kinetic Energy calculations
- Energy sources
- Wave types
- Wavelength calculations
- Frequency calculations
- Waves core practical

2. Carousel Learning

Practise your core knowledge using the Carousel Learning study pack we have put together for you: just follow the link in **year 10 Science Google Classroom**, log in with your name and test yourself on the relevant core knowledge needed for this test.

2023 INTERNAL EXAM: Science: Physics  
Year 10



Topics covered:

T1 – Key concepts of physics

T2 – Forces and motion

T3 Conservation of energy

T4 - Waves



*Copies of the workbooks (and some answers to the questions in them) can be found in your Google Classroom.*

*Further revision materials, including links to the material listed her can be found in the **year 10 Science Google Classroom** – this QR code will take you there (if you are logged into your ALF account).*

You will be tested on:

1. Core knowledge
2. Application of the core knowledge
3. The scientific method – how we plan, conduct and analyse our experiments

To support your revision

1. To deepen your knowledge use the following BBC bitesize pages. You can click on the links here or follow the links from *the year 10 Science Google Classroom*.

- Vector & scalar quantities
- Speed calculation
- Newtons second law,  $F=ma$
- Calculating acceleration
- Resultant forces
- Mass & weight
- Velocity-time graphs
- Momentum
- $F=ma$  core practical
- Energy stores
- Waste energy & efficiency
- Gravitational Potential Energy
- Insulation
- Kinetic Energy calculations
- Energy sources
- Wave types
- Wavelength calculations
- Frequency calculations
- Waves core practical

2. Carousel Learning

Practise your core knowledge using the Carousel Learning study pack we have put together for you: just follow the link in **year 10 Science Google Classroom**, log in with your name and test yourself on the relevant core knowledge needed for this test.